



Aluminum Oxide Resinoid Bonded Cutting/Grinding Wheel

Material Safety Data Sheet (MSDS)

Test Report-MSDS-1211090029-A (E)

Section I

Product identifier:

6470700, 6470705, 6470710, 6470720, 6470730, 6470735, 6470740, 6470750, 6470760, 6470770, 6470775, 6470780, 6470785, 6470790, 6470795, 6470800, 3052055, 3052050 and 3052057.

Uses of product:

Cutting & Grinding

Details of supplier of the voluntary product information:

Manufacturer/Supplier: Clarke International Ltd

Address: Sealand House, Hemnall Street, Epping CM16 4LG

Telephone Number for Information: + 44 (0)1992 565300

Emergency Telephone Number: NHS 111 (UK, Scotland and Wales)

Emergency Email Address: sds.npis@nhs.net

Section II - Hazardous Ingredients / Identity Information

Chemical Name (Common Name)	CAS#	OSHA PEL	OSHA REG. Y/N	ACGIH TLV	OSHA Carcinogen (Y/N)	Max.%
Alumina (Aluminum Oxide)	1344.28.1	10mg/m ³	Y	10 mg/m ³	N	90%
Iron Oxide (Iron Oxide)	1309.37.1	10mg/m ³	Y	5mg/m ³	N	.05%
Silicon Dioxide (Silicon Oxide)	7631.86.9	6mg/m ³	N	***NAIF	N	4%
Sodium-Hexafluoro (Cryolite)	15096.52.3	***NAIF	Y	2.5mg/m ³	N	7%
Calcium Metasil (Wallastonite)	13983.17.0	***NAIF	Y	***NAIF	N	3%
Prepreg Fiber (Fiberglass)	***NAIF	***NAIF	Y	10 mg/m ³	N	5%



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Section III - Physical / Chemical Characteristics

Boiling Point: **N/A

Vapor Pressure (mm Hg.): **N/A

Vapor Density (AIR=1): **N/A

Solubility in Water: Slight

Specific Gravity (H₂O=1): 2.0

Melting Point: 900 degrees Fahrenheit

Evaporation Rate (Butyl Acetate=1): **N/A

Appearance and Odor: Dark brown to black color slight

Section IV - Fire and Explosion Hazard Data

Flash Point (method used): **N/A

Flammable Limits: LEL: **N/A **UEL:** **N/A

Extinguishing Media: Water spray, CO₂

Special Fire Fighting Procedures: Fire fighters should wear self-contained breathing apparatus to avoid inhalation of smoke or vapors.

Unusual Fire and Explosion Hazards: **N/A

Section V - Reactivity Data

Stability: Stable

Conditions to avoid: None

Incompatibility (Materials to Avoid): **N/A

Hazardous Decomposition or Byproducts: In use dust and decomposition odors are created, material removed from workpiece will be greater.

Hazardous Polymerization: Will not occur

Conditions to avoid: None



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Section VI - Health Hazard Data

Primary Route(s) of Entry	Acute and Chronic Health Effects and Effects of Overexposure	First Aid and Medical Information
Inhalation (during grinding)	Acute: Possible cough. Chronic: May effect breathing capacity.	Remove to fresh air, artificial respiration as needed; Obtain medical assistance.
Ingestion (during grinding)	No known adverse affects, but ingestion not recommended.	Obtain medical assistance.
Skin (during grinding) (contact & absorption)	Some may experience skin irritation from dust.	Wash affected areas with soap and water; obtain medical assistance.
Eye (during grinding)	Dust may irritate eyes.	Wash with large amounts of water; obtain first aid and medical assistance, if needed.
Other Potential Health Risks (during grinding)	Grinding may create elevated sound levels which may affect hearing and may aggravate pre-existing respiratory conditions.	Obtain medical assistance; there is limited information that Crystalline Silica is a carcinogen.

Section VII - Precautions for Safe Handling And Use

Precautions to be taken in handling and storage: Handle carefully; Wheels shall not be stored subject to water or solvents.

Other Precautions: Comply with ANSI B7.1 Safety, Use, and Care of Abrasive Wheels; Comply with RPM rating on each product.

Steps to be taken in case material is released or spilled: Grinding and cut-off wheels if dropped or damaged can cause serious bodily injury. Avoid usage if product has been dropped or damaged. Normal clean up procedures.

Waste disposal method: Standard landfill or incineration in accordance with local, state and federal regulations.



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Section VIII - Control Measures

Respiratory protection (specify type): MSHA - NIOSH approved respirators
- See OSHA 29CFR1910.134

Ventilation: Yes

Local Exhaust: See OSHA 29CFR1910.94 & 1000

Mechanical (General): Wheel Guards

Special: Avoid contact with sparks

Other: Do not wear contact lenses

Protective gloves: As desired by user

Eye protection: Recommended - See OSHA 29 CFR 1910.133

Other protective clothing or equipment: Safety shoes, fireproof clothing, head and ear protection.

Work/Hygienic Practices: Keep dust washed off skin, wear clean clothing.

**N/A = Not Applicable

***NAIF = No applicable information found

MSDS Creation Date: 20-11-23

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